



# INDIAN NOTICES TO MARINERS



EDITION NO. 23 DATED 01 DEC 2017

(CONTAINS NOTICES 162 TO 169)

REACH US 24 x 7



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(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

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INSIST ON INDIAN CHARTS AND  
PUBLICATIONS  
Original, Authentic and Up-to-Date



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## II

### MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

**All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.**

**Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.**

**Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.**

### III

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. SI Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

**Source of Information.** A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

**Sailing Directions.** Corrections for the Sailing Directions (Pilots) are given in Section VI.

**Lights.** Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

**Radio Signals.** The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

**Radio Navigational Warnings.**

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

## IV

**Laws and Regulations.** While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

**Correction of Charts and Publications by the Users.** Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified charts and publications up-to-date.

**Reliance on Charts and Associated Publications.** While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

**Use of Global Positioning System (WGS 84) positions.**

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

**Source Data on Charts.** All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

**Further Guidance.** The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

## NEWLY PUBLISHED INDIAN CHARTS, ENC'S AND PUBLICATION

1. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
301	APPROACHES TO HUGLI RIVER	1,50,000	New Chart
351 (INT 7419)	PARADIP TO PUSSUR RIVER	3,00,000	New Chart
2005	APPROACHES GODIA CREEK	50,000	New Chart
2551	APPROACHES TO PORT VICTORIA	35,000	New Chart
3006 (INT 7423)	HUGLI RIVER;		New Chart
	KUKRAHATI REACH TO ROYAPUR CROSSING	37,500	
	ROYAPUR CROSSING TO CALCUTTA DOCKS	37,500	
	CALCUTTA DOCKS	17,500	
3009 (INT 7407)	KAKINADA PORT	10,000	New Chart
	KAKINADA ANCHORAGE	25,000	
3011 (INT 7421)	HUGLI RIVER – GASPER CHANNEL TO HALDIA	75,000	New Chart
3028 (INT 7404)	KAMARAJAR PORT	12,500	New Edition

### Availability of ENCs

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENCs through the world wide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a>
<b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>

**SECTION – I**

The list of charts affected by the Notices 162 to 169 contained in this edition is as follows:

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
20	1	165
21	2	168(T)
22(INT 752)	3	168(T)
23	1	168(T)
31(INT 756)	5	163, 169(T)
32(INT 754)	5	168(T), 169(T)
214	3	168(T)
220	3	162
221	3	168(T)
253(INT 7328)	2	168(T)
258(INT 7348)	3	168(T)
259(INT 7356)	3	168(T)
261	4	168(T)
263(INT 7383)	4	168(T)
272	4	168(T)
288	1	165
289	1	165
292(INT 7021)	2	168(T)
293(INT 7022)	3	168(T)
354(INT 7408)	5	169(T)
391	5	169(T)
2004(INT 7359)	3	162
2505(INT 77393)	1	167
4019	7	166
8010	1	164



**SECTION – II****PERMANENT NOTICES****\*162 (23/17) INDIA – WEST COAST – Kochi Harbour – Legend.**

Source: NHO Dehradun.

**Chart 220** [previous update 109/17]

Substitute legend “North Spoil Ground” for legend “North Dumping Ground” centered on ; 09° 59′.60N., 76° 05′.05E.  
 legend “South Spoil Ground” for legend “South Dumping Ground” centered on ; 09° 55′.00N., 76° 05′.95E.

**Chart 2004 (INT 7359)** [previous update 146/17]

Substitute legend “North Spoil Ground” for legend “North Dumping Ground” centered on ; 10° 00′.10N., 76° 05′.08E.  
 legend “South Spoil Ground” for legend “South Dumping Ground” centered on ; 09° 55′.24N., 76° 05′.88E.

**\*163 (23/17) INDIAN OCEAN – BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Depths.**

Source: BA Notice 4025/17.

**Chart 31 (INT 756)** [previous update 147/17]

Delete  Rep (1963) 19° 56′.10N., 86° 52′.10E.  
 Rep (1963) 20° 04′.40N., 87° 27′.10E.

**\*164(23/17) GULF OF ADEN AND SOUTHERN PART OF THE RED SEA – Submarine cable.**

Source: BA Notice 4150/17.




**Chart 8010** [previous update 066/13]

Insert submarine cable, , joining: 12° 47′.60N., 45° 02′.30E. (shore)  
 12° 47′.30N., 45° 04′.30E.  
 12° 44′.20N., 45° 05′.30E.  
 12° 39′.10N., 45° 03′.90E.  
 12° 37′.80N., 45° 03′.70E.  
 12° 33′.40N., 45° 04′.40E.  
 12° 31′.90N., 45° 03′.80E.




**\*165 (23/17) STRAIT OF HORMUZ TO QATAR – Light. Pipe. Platform.**

Source: BA Notice 4162/17.




**Chart 20** [previous update 142/17]

Substitute  Pipe Rep for  F.I.R.5M Rep 27° 16′.7N., 51° 03′.0E.  
 Delete  Rep 27° 16′.0N., 51° 23′.0E.

**\*165 (23/17) STRAIT OF HORMUZ TO QATAR – Light. Pipe. Platform. Continued.****Chart 288** [previous update 142/17]

Substitute		<i>Pipe Rep(2010)</i>	for		<i>Fl.R.4s5M Pipe Rep(2010)</i>	27° 16′.70N., 51° 03′.00E.
Delete		<i>Rep(2008) PA</i>				27° 16′.00N., 51° 23′.00E.












**Chart 289** [previous update 134/17]

Substitute		<i>Pipe Rep(2010)</i>	for		<i>Fl.R.4s5M Pipe Rep(2010)</i>	27° 16′.70N., 51° 03′.00E.
Delete		<i>Rep(2008) PA</i>				27° 16′.00N., 51° 23′.00E.

**\*166(23/17) ANDAMAN SEA – BURMA – Gulf of Martaban – Rangoon River and Approaches – Buoys.**

Source: Myanmar Hydrographic Centre.

**Chart 4019** [previous update 124/17]

Insert		<i>Additional Lower Spit (Marker)</i>			16° 24′.27N., 96° 20′.58E.
		<i>Conical Marker Buoy</i>			16° 31′.22N., 96° 16′.28E.
		<i>Fl.R.4s Upper Liffey</i>			16° 43′.60N., 96° 13′.52E.
		<i>Additional Lower Western (Mark)</i>			16° 23′.44N., 96° 21′.78E.
		<i>New Centre Western, (Conical)</i>			16° 25′.05N., 96° 20′.85E.
		<i>Fl.G.2s New Upper Spit</i>			16° 24′.06N., 96° 21′.22E.
		<i>Additional New Upper Western</i>			16° 25′.36N., 96° 21′.15E.
Move		<i>Fl.G.2s Intermediate</i>	from:		16° 22′.11N., 96° 22′.08E.
	to				16° 22′.27N., 96° 21′.88E.
		<i>Fl.R.2s New Centre Western</i>	from:		16° 25′.27N., 96° 20′.50E.
	to				16° 25′.22N., 96° 21′.01E.
		<i>Fl.R.4s Additional Lower Western</i>	from:		16° 22′.67N., 96° 21′.90E.
	to				16° 22′.82N., 96° 21′.75E.
		<i>Fl.R.1s New Upper Western</i>	from:		16° 25′.56N., 96° 20′.86E.
	to				16° 24′.68N., 96° 21′.20E.



<b>*167 (23/17)</b>		<b>Miscellaneous updates to charts.</b>
Source: NHO.		
<b>Chart No.</b>	<b>Previous Updates</b>	<b>Details</b>
<b>Chart 2505 (INT 77393)</b>	<i>155/17</i>	Delete Partial Compass Rose centered on ; 19° 40'·00S., 63° 24'·92E. and 19° 40'·00S., 63° 24'·61E.
		For; Source: Indian Hydrographic Survey Unit,Mauritius Read; Source: Hydrographic Unit,Mauritius



**SECTION – III****TEMPORARY AND PRELIMINARY NOTICES****\*168(T) (23/17) INDIA – EAST COAST – Bay of Bengal – ADCP Moorings.**

Source: NIO Goa.

1. Underwater Acoustic Doppler Current Profiler (ADCP) mooring deployed by National Institute of Oceanography, Goa in following positions:-

ADCP Mooring	Positions		Depth (in metres)	Charts affected
OMD10	20° 00'.51N	69° 14'.25E	160,335,690,1044	21 – 253(INT 7328) – 292(INT 7021).
OJD1	17° 31'.55N	71° 07'.30E	180,350,850	21 – 22(INT 752) – 293(INT 7022).
OGD13	15° 09'.97N	72° 44'.65E	160,300,650,950	22(INT 752) – 293(INT 7022) – 214.
OUD1	12° 29'.92N	74° 02'.39E	170,320,820	22(INT 752) – 272 – 258(INT 7348).
OKD10	09° 02'.86N	75° 26'.10E	180,330,830	22(INT 752) – 259(INT 7356) – 221.
KKD8	06° 57'.56N	77° 23'.51E	190,500,1000	22(INT 752) – 23– 32(INT 754) – 263(INT 7383) – 261.

\* Indicates new or revised entries.

- All positions referred to WGS 84 datum.
- Vessels operating in vicinity are to maintain a safe distance from moorings and exercise caution.
- Former INM 121(T)/17 is cancelled.**

**\*169(T) (23/17) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.**

Source: Indian Navy.

- Unexploded charges reported dumped by Indian Naval Ship in position 17° 00'.00N., 83° 40'.00E on 24 Aug 17 and 13 Oct 17.
- Mariners to take note.

**Charts Affected – 31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408).**

## **SECTION – IV**

### **MARINE INFORMATION**

#### **1. NAVTEX TRANSMISSION**

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis) - Operational

Seychelles (Mahe) - Operational

Following new Navtex stations along the Indian coast are operating on trial basis:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
<b>Sl.</b>	<b>Station Name</b>	<b>B1</b>	<b>Broad Cast Timings in UTC</b>					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengrula Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasure	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

#### **2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS**

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - indsar@vsnl.net, or icgmrc\_mumbai@mtnl.net . Any suspicious activity of skiffs / boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

#### **3. DISPLAY ANOMALIES IN ECDIS**

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

#### **4. SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 14 of 2008 (16<sup>th</sup> July 2008).

(a) Safety Fairways: An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Sheva harbour irrespective of size.

#### **5. GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127 & 128 respectively.

All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN-127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

#### **6. USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE**

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

#### **7. CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Instruments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>E.W.Liner Charts &amp; Publication (India)</b> 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: <a href="mailto:ewl-india@ewliner.com">ewl-india@ewliner.com</a> Web: <a href="http://www.ewliner.com">www.ewliner.com</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a> , <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>Gujarat Pipavav Port Limited</b> PO – Uchhaiya, Dist – Amereli, Gujarat – 365 560 Tele: +91- 2794302400 Fax: 302413 (Only for Pipavav Port Chart)</p>
<p><b>M/s SVR Chart Agencies</b> Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : <a href="mailto:mahalakshmitravels99@gmail.com">mahalakshmitravels99@gmail.com</a> <a href="mailto:mahalakshmitravels@hotmail.com">mahalakshmitravels@hotmail.com</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91 22 62233326, Fax: +91 22 67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a>, <a href="mailto:raj.chakravorty@smsmaps.com">raj.chakravorty@smsmaps.com</a> Web: <a href="http://www.smsmaps.com">www.smsmaps.com</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>Global Marine Infratech Pvt. Ltd.</b> Ground Floor, Siksha Sandan, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, Flat C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftmarine.org">sankar@liftmarine.org</a> Web: <a href="http://www.liftmarine.org">www.liftmarine.org</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biry House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Engineering Logistics Executive Multi Services</b> Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: <a href="mailto:sales@elemscharts.in">sales@elemscharts.in</a> Web: <a href="http://www.elemscharts.in">www.elemscharts.in</a></p>	<p><b>M/s IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@ictechnologies.com">somnath.marthi@ictechnologies.com</a> <a href="mailto:sanjeev.sharma@ictechnologies.com">sanjeev.sharma@ictechnologies.com</a> Web: <a href="http://www.ictechnologies.com">www.ictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	



**SECTION – V****NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2012.

2. NAVAREA VIII Warnings in force as on 30 Nov 17:

**2016 SERIES** – 432 464 572 644 723

**2017 SERIES** – 016 119 305 323 345 366 381 394 414 455 485 486 493 511 514 529 543 576 635  
662 685 697 703 710 713 719 723 748 751 762 775 778 780 784 793 796 805 806 814 816 821  
827 829 834 836 837 838 839 844 846 847 848 849 851 852 853 854 855 856 857 858 859

3. NAVAREA VIII Warnings issued during the period from 16 Nov to 30 Nov 17 (both dates inclusive) are as tabulated below:–

<p><b>813. India West Coast - off Harnai.</b> Charts 22 212 256 293 2077 INT 71. INS Makar progressing survey in area bounded within 17-46.17N to 17-48.17N and 073-04.49E to 073-06.49E. Wide berth requested. 2. Cancel this MSG 211830 UTC Nov 17</p>
<p><b>814. India West Coast - off Mumbai.</b> Charts 21 292 2016 2076 INT 71. West Uran Buoy (18-55.75N 072-53.53E) unlit.</p>
<p><b>815. India East Coast - off Balasore.</b> Charts 31 351 352 INT 71. Experimental Flight Trial scheduled from ITR daily on 21-23 Nov 17 from 0430-0630 and 0830-1030 UTC in danger zone bounded by 21-07.8N 087-05.1E, 20-32.88N 087-06.36E, 18-10.29N 088-32.29E, 18-26.56N 089-01.78E, 20-50.46N 087-35.52E. 2. Cancel this MSG 231130 UTC Nov 17.</p>
<p><b>816. India West Coast - off Mumbai and Neelam ODA.</b> Charts 21 22 211 255 293 INT 71. MV Ganga Dolphin progressing survey in areas bounded by 19-42.1N 071-04.3E, 19-41.3N 072-09.7E, 18-55.1N 072-20.4E, 19-02.9N 071-03.8E AND 18-49.3N 072-13.1E, 18-27.8N 072-09E, 18-27.6N 072-24.3E, 18-48.4N 072-23.4E AND 18-40.9N 070-57.4E, 18-40.8N 071-03.8E, 18-34N 071-03.8E, 18-34N 070-57.3E. Wide berth requested. 2. Cancel this MSG 171830 UTC Dec 17.</p>
<p><b>817. India West Coast - Gulf of Kachchh.</b> Charts 21 251 271 INT 71. GTV Samudra sarvekshak will progress soil coring from 19 Nov 17 in vicinity of 21-37.98N 068-26.42E, 22-40.85N 068-05.09E, 22-55.81N 068-21.48E, 22-57.11N 068-32.31E 2. Wide berth requested. 3. Cancel this MSG 301830 UTC Nov 17.</p>
<p><b>818 India East Coast – Central Bay of Bengal.</b> Charts 32 INT 71. Firing by CG Aircraft scheduled daily from 22 - 30 Nov 17 from 0130 - 1130 UTC in danger area bounded within 13-30N to 14-30N and 082-00E to 082-40E. 2. Cancel this MSG 301230 UTC Nov 17.</p>
<p><b>819. India West Coast - off Tapti ODA.</b> Charts 21 210 254 292 INT 71. Firing by CG Aircraft scheduled on 23 Nov 17 from 0330-1130 UTC in danger area bounded by 20-13.3N 071-59E, 20-13.3N 072-08E, 20-06N 072-06.9E, 20-06N 071-57.7E. 2. Cancel this MSG 231230 UTC Nov 17.</p>
<p><b>820. NAVAREA VIII warnings in force as on 17 Nov 17</b> <b>2016 SERIES</b> - 432 464 572 644 723 <b>2017 SERIES</b> - 016 119 305 323 345 366 381 394 414 455 485 486 493 511 514 529 543 576 601 635 662 685 697 703 710 713 716 719 723 748 751 761 762 764 765 774 775 778 780 784 786 793 796 798 800 805 806 808 809 811 812 813 814 815 816 817 818 819 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel this MSG 241000 UTC Nov 17.</p>
<p><b>821. NW Indian Ocean - off Pemba I. Tanzania.</b> Charts 8008 INT 70 71 701. INS Sarvekshak progressing hydrographic survey in area bounded within 04-45S to 05-15S and 039-05E to 039-45E. Wide berth requested. 2. Cancel this MSG 221830 UTC Dec 17.</p>
<p><b>822. W Indian Ocean - off Somalia.</b> Charts 7701 INT 71. Vessel reported attacked at 170914 UTC Nov 17 in 01-56S 047-57E. Vessels advised to keep clear of position and exercise caution. 2. Cancel this MSG 241555 UTC Nov 17.</p>
<p><b>823. Western Indian Ocean - off Somalia.</b> Charts 7701 INT 71. Piracy activity reported 150 NM around 01-52S 049-23E. Mariners advised to keep clear and exercise caution. 2. Cancel this MSG 251000 UTC Nov 17.</p>
<p><b>824. India West Coast.</b> Charts 251 254 255 292 INT 71. Rig list Aban Ice 19-39.99N 071-35.74E</p>



<b>824. Continued.</b>	
Aban III	18-16.38N 072-22.82E
Aban IV	18-43.45N 072-20.32E New
Actinia	19-19.57N 071-01.61E
CE Thornton	18-29.86N 072-15.00E
Deep Sea Fortune	18-31.15N 072-14.46E
Deep Sea Fossil	19-19.22N 071-17.54E
Dynamic Vision	19-11.05N 072-11.21E
FG Mcclintock	18-55.85N 072-18.37E
Galveston Key	20-34.64N 072-00.12E
Great Drill Chaaya	22-37.91N 068-27.04E
Great Drill Charu	19-38.24N 071-00.92E
Great Drill Chitra	19-02.13N 072-01.44E
Jindal Star	19-08.71N 072-07.02E
Noble ED Holt	20-11.53N 071-52.25E
Paragon L786	18-34.48N 072-16.77E
Paragon M 1161	19-27.56N 071-11.24E
Parameswara	20-42.28N 072-12.82E
Rowan Louisiana	19-36.89N 071-53.38E
Sagar Gaurav	22-49.18N 068-29.11E
Sagar Jyoti	19-21.09N 071-14.64E
Sagar Kiran	18-36.17N 072-01.65E
Sagar Shakti	19-15.49N 072-08.23E
Sagar Uday	19-08.42N 070-53.87E
Trident II	19-27.35N 071-17.94E
Valiant Driller	19-39.80N 071-17.59E
Virtue-I	20-05.60N 071-48.57E New
Vivekananda1	19-15.64N 072-06.59E
Vivekananda2	19-27.59N 071-24.98E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 811.
<b>825. India East Coast - off Balasore.</b>	Charts 31 351 352 INT 71. Experimental Flight Trial scheduled from ITR daily on 22 and 23 Nov 17 from 0430-0630 and 0830-1030 UTC in danger zone bounded by 21-07.8N 087-05.1E, 20-32.88N 087-06.36E, 18-10.29N 088-32.29E, 18-26.56N 089-01.78E, 20-50.46N 087-35.52E.
2.	Cancel NAVAREA VIII MSG 815 and this MSG 231130 UTC Nov 17.
<b>826. India East Coast - Chennai.</b>	Charts 32 313 3001 INT 71. Firing by Naval Coast Battery scheduled on 24 Nov 17 from 0530 - 0730 UTC.
2.	Danger Sector extending upto 12 NM between bearing 045 and 075 from 13-07.02N 080-18.01E.
3.	Cancel this MSG 240830 UTC Nov 17.
<b>827. Arabian Sea - off Piram I.</b>	Charts 21 208 254 292 2039 INT 71. Lesser depth reported by MV Universal Bangkok 21-40.2N 072-22.2E. Mariners to exercise caution.
<b>828. India East Coast - off Gopalpur.</b>	Charts 31 353 INT 71. RV Samudra Kaustubh progressing survey in area bounded by 19-09.32N 084-49.40E, 19-14.31N 084-54.01E, 19-12.69N 084-55.78E, 19-07.94N 084-51.14E.
2.	Cancel NAVAREA VIII MSG 786 and this MSG 271830 UTC Nov 17.
<b>829. Lakshadweep Sea - off Colombo Harbour.</b>	Charts 31 225 2063 INT 71. Uncharted rocks 2 meter from Sea Bed reported 07-02.002N 079-51.204E.
<b>830. India West Coast - off Mumbai.</b>	Charts 21 211 255 INT 71. CS Maran progressing cable repairs in vicinity of 18-56.56N to 18-58.16N and 072-14.77E to 072-16.50E. Wide berth requested.
2.	Cancel this MSG 301830 UTC Nov 17.
<b>831. Andaman Sea - off Rutland I.</b>	Charts 33 41 405 473 4030 INT 71. Firing by Naval Ships scheduled on 23 Nov 17 from 0430 – 1330 UTC in danger area bounded by 11-09N 092-43E, 11-04N 092-26E, 11-15N 092-32E, 11-26N 092-45E.
2.	Cancel this MSG 231430 UTC Nov 17.
<b>832. India East Coast - off Visakhapatnam.</b>	Charts 31 354 INT 71. INS Investigator will progress survey from 22 Nov 17 in area bounded by 17-18N 083-25.5E, 17-30N 083-37E, 17-24.5N 083-44E, 17-12N 083-33E.
2.	Wide berth of 03 NM from Ship and Survey Boats requested.
3.	Cancel this MSG 271830 UTC Nov 17.
<b>833. India West Coast - Mumbai ODA.</b>	Charts 21 22 255 292 293 INT 71. SCI Ratna reported sunken 19-30N 071-15E. Wide berth advised.
<b>834. India West Coast - Mumbai ODA.</b>	Charts 21 22 255 292 INT 71. OSV SCI Ratna reported sunken 19-26.134N 071-10.519E. Wide berth advised .
2.	Cancel NAVAREA VIII MSG 833.
<b>835. India East Coast - off Balasore.</b>	Charts 31 351 3031 INT 71. Experimental Flight Trial scheduled from ITR on 27 and 28 Nov 17 from 0430-0830 UTC in danger zone bounded by 21-19.11N 086-52.10E, 21-16.33N 086-52.43E, 20-34.13N 087-18.80E, 20-39.75N 087-40.68E, 21-32.90N 087-11.83E, 21-33.50N 087-08.34E.

<b>835. Continued.</b>
2. Cancel this MSG 280930 UTC Nov 17.
<b>836. India East Coast - off Karaikal.</b> Charts 32 357 INT 71. Wave Recorder and Current Meter deployed at 10-55.54N 079-53.91E and 10-55.20N 079-51.62E. Wide berth requested.
2. Cancel NAVAREA VIII MSG 764.
<b>837. NE Indian Ocean.</b> Chart INT 71. ADCP and Triton Buoys being deployed 00-00.3S 090-08.7E on 24 NOV, 01-37S 089-59E on 26 Nov, 08-00S 095-00E on 28-29 Nov, 05-00S 095-00E on 30 Nov and 01 Dec 17. Wide berth requested.
<b>838. India East Coast - off Gopalpur.</b> Charts 31 352 353 INT 71. Army Air Defence Firing and BPTA Flight scheduled daily from 27 Nov to 02 Dec 17 from 0130-0730 and 0830-1430 UTC in area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and Arc of 41 NM radius joining point B and C.
2. Cancel this MSG 021530 UTC Dec 17.
<b>839. India West Coast.</b> Charts 251 254 255 292 INT 71. Rig list
Aban ice 19-39.99N 071-35.74E
Aban III 18-16.38N 072-22.82E
Aban IV 18-43.45N 072-20.32E
Actinia 19-19.57N 071-01.61E
CE Thornton 18-29.86N 072-15.00E
Deep Sea Fortune 18-31.15N 072-14.46E
Deep Sea Fossil 19-19.22N 071-17.54E
Dynamic Vision 19-11.05N 072-11.21E
FG McClintock 18-55.85N 072-18.37E
Galveston Key 20-34.64N 072-00.12E
Great Drill Chaaya 22-37.91N 068-27.04E
Great Drill Charu 19-38.24N 071-00.92E
Great Drill Chitra 19-02.13N 072-01.44E
Jindal Star 19-08.71N 072-07.02E
Noble ED Holt 20-11.53N 071-52.25E
Paragon L786 18-34.48n 072-16.77e
Paragon M1161 19-27.56N 071-11.24E
Parameswara 20-42.28N 072-12.82E
Rowan Louisiana 19-36.89N 071-53.38E
Sagar Gaurav 22-49.18N 068-29.11E
Sagar Jyoti 19-21.09N 071-14.64E
Sagar Kiran 18-36.17N 072-01.65E
Sagar Shakti 19-15.49N 072-08.23E
Sagar Uday 19-08.42N 070-53.87E
Trident II 19-27.35N 071-17.94E
Valiant Driller 19-39.80N 071-17.59E
Virtue-I 20-05.60N 071-48.57E
Vivekananda1 19-15.64N 072-06.59E
Vivekananda2 19-29.98N 071-16.28E New
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 824.
<b>840. Arabian Sea - off Ratnagiri.</b> Charts 22 255 256 293 INT 71. Firing by Naval Ships scheduled from 271430 - 291430 UTC Nov 17 in danger area bounded by 16-48N 071-55E, 17-48N 069-47E, 16-02N 069-02E, 14-47N 071-05E.
2. Cancel this MSG 291530 UTC Nov 17.
<b>841. Bay of Bengal - off Kankasanturai.</b> Charts 32 358 INT 71. Naval firing practice scheduled on 28 and 30 Nov 17 from 0230-1130 UTC in danger circle extending 5 NM from 09-55N 080-33E.
2. Cancel this MSG 301230 UTC Nov 17.
<b>842. Gulf of Mannar - off Sri Lanka.</b> Charts 23 262 263 INT 71. Firing practice scheduled on 29 Nov 17 from 0130 to 1130 UTC in danger circle extending 10 NM from 08-10N 079-42E.
2. Cancel this MSG 291230 UTC Nov 17.
<b>843. NAVAREA VIII warnings in force as on 24 Nov 17</b>
<b>2016 SERIES</b> - 432 464 572 644 723
<b>2017 SERIES</b> - 016 119 305 323 345 366 381 394 414 455 485 486 493 511 514 529 543
576 635 662 685 697 703 710 713 716 719 723 748 751 761 762 765 774 775 778 780
784 793 796 800 805 806 814 816 817 818 821 823 827 828 829 830 832 834 835 836
837 838 839 840 841 842
(A) NAVAREA VIII warnings less than 42 days promulgated via Safetynet.
(B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>
2. Cancel this MSG 011000 UTC Dec 17.
<b>844. Bay of Bengal - off Chittagong.</b> Charts 31 360 INT 71. Firing by Naval Ships scheduled daily from 30 Nov - 30

<p><b>844. Continued.</b> Dec 17 from 2200 UTC for 19 hours in danger areas bounded by (A) 21-20.83N 090-34E, 21-41N 091-14E, 21-20.83N 091-28E, 21-00N 090-47.83E (B) 20-46N 090-00E, 20-58N 090-17E, 20-40N 090-38E, 20-28N 090-22E (D) 20-07N 090-52E, 20-22N 091-06E, 20-00N 091-36E, 19-44N 091-21E (D1) 20-22N 091-06E, 20-46.3N 091-31E, 20-24N 091-59E, 20-00N 091-36E (E) 21-18N 089-31E, 21-18N 089-50E, 21-04N 089-54E, 21-04N 089-34E (F) 20-58N 089-34E, 20-58N 089-54E, 20-34N 089-54E, 20-34N 089-34E.</p> <p>2. Cancel this MSG 311800 UTC Dec 17.</p>																				
<p><b>845. Bay of Bengal - off Chittagong.</b> Charts 31 360 INT 71. Indian Ocean Naval Symposium Multilateral Maritime Search and Rescue Exercise scheduled:</p> <p>(A) Till 280900 UTC Nov 17 in area bounded within 21-07N to 21-19.5N and 091-55E to 092-01.8E. (B) Till 280900 UTC Nov 17 in area bounded within 21-50N to 21-54N and 091-47 E to 091-50E. (C) From 280130 to 281801 UTC Nov 17 in area bounded within 20-22.5N to 20-43N and 091-37.5E to 091-58E. (D) From 280230 to 290730 UTC Nov 17 in area bounded within 20-07N to 20-37N and 090-55.5E to 091-26E. (E) From 280800 to 290600 UTC Nov 17 in area bounded within 19-32N to 20-52N and 089-47.2E to 090-50E.</p> <p>2. Wide berth requested. 3. Cancel this MSG 290830 UTC Nov 17.</p>																				
<p><b>846. India West Coast - Kochi.</b> Charts 22 220 260 2029 INT 71. Firing by Naval Unit scheduled on</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Time (UTC)</th> </tr> </thead> <tbody> <tr> <td>01 Dec 17</td> <td>0900-1200 and 1230-1430</td> </tr> <tr> <td>05 Dec</td> <td>0900-1200</td> </tr> <tr> <td>08 Dec</td> <td>0900-1200 and 1230-1430</td> </tr> <tr> <td>12 Dec</td> <td>0900-1200</td> </tr> <tr> <td>15 Dec</td> <td>0900-1200 and 1230-1430</td> </tr> <tr> <td>19 Dec</td> <td>0900-1200</td> </tr> <tr> <td>22 Dec</td> <td>0900-1200 and 1230-1430</td> </tr> <tr> <td>26 Dec</td> <td>0900-1200</td> </tr> <tr> <td>29 Dec</td> <td>0900-1200 and 1230-1430</td> </tr> </tbody> </table> <p>2. Danger area bounded by 09-57.5N 075-59.5E, 09-57.7N 076-14.2E, 09-44N 076-17.5E, 09-42.5N 076-09.5E. 3. Cancel this MSG 291530 UTC Dec 17.</p>	Date	Time (UTC)	01 Dec 17	0900-1200 and 1230-1430	05 Dec	0900-1200	08 Dec	0900-1200 and 1230-1430	12 Dec	0900-1200	15 Dec	0900-1200 and 1230-1430	19 Dec	0900-1200	22 Dec	0900-1200 and 1230-1430	26 Dec	0900-1200	29 Dec	0900-1200 and 1230-1430
Date	Time (UTC)																			
01 Dec 17	0900-1200 and 1230-1430																			
05 Dec	0900-1200																			
08 Dec	0900-1200 and 1230-1430																			
12 Dec	0900-1200																			
15 Dec	0900-1200 and 1230-1430																			
19 Dec	0900-1200																			
22 Dec	0900-1200 and 1230-1430																			
26 Dec	0900-1200																			
29 Dec	0900-1200 and 1230-1430																			
<p><b>847. India West Coast - Tapti ODA.</b> Charts 21 292 INT 71. SV VM Pioneer progressing geophysical survey from 28 Nov 17 in vicinity of 20-37.8N 072-04.1E. Wide berth requested. 2. Cancel this MSG 101830 Dec 17.</p>																				
<p><b>848. Andaman Sea - off Irrawaddy.</b> Charts 41 410 451 INT 71. MV Majestic Seven and Crest Hydra progressing survey from 28 Nov 17 in vicinity of 15-20.6N 095-23.2E, 15-26.4N 095-31.4E, 15-26.6N 095-31.6E, 15-31.5N 095-35.9E, 15-31.5N 095-36.0E, 15-38.3N 095-42.9E, 15-39.5N 095-43.4E, 15-46.7N 095-42.1E, 15-47.2N 095-41.8E, 15-51.5N 095-38.9E.</p> <p>2. Wide berth requested. 3. Cancel this MSG 191730 UTC Dec 17.</p>																				
<p><b>849. Andaman Sea - off Yangon River.</b> Charts 41 452 4019 INT 71. Buoys additional new upper western (Port 16-25.44N 096-20.97E), (Stbd 16-31.3N 096-16.1E), additional lower western (16-22.90N 096-21.57) laid.</p> <p>2. Buoys new upper western FL R, new centre spit FL W 2S, additional lower spit FL G 3S, new upper spit FL G 2S, upper float FL G 7S, intermediate FL G 2S shifted to 16-24.76N 096-21.02E, 16-23.9N 096-20.8E, 16-23N 096-22.55E, 16-24.02N 096-21.15E, 16-20.15N 096-20.72E, 16-21.7N 096-22.17E. 3. Buoy new centre western (16-25.3N 096-20.83E) removed. Buoy Thura Phyto Kyaw Lin wreck (16-24N 096-21E) adrift. 4. Cancel NAVAREA VIII MSG 800.</p>																				
<p><b>850. South Arabian Sea.</b> Charts 22 INT 71. FV Sanju Putha reported abandoned and adrift 07-42N 069-20E at 260630 UTC Nov 17. 2. Cancel this MSG 290630 UTC Nov 17.</p>																				
<p><b>851. Indian Ocean - off Reunion Island.</b> Chart INT 71. Naval Gunnery Exercise scheduled from 291530-291830 and 300700-301300 UTC Nov 17 and 010600-011300 UTC Dec 17 in area bounded by 21-12S 054-57E, 21-39.02S 054-33.3E, 21-19.3S 054-25.54E, 21-26S 055-02.3E. 2. Cancel this MSG 011400 UTC Dec 17.</p>																				
<p><b>852. Lakshadweep Sea - off Tuticorin.</b> Charts 224 INT 71. Beacon FL (3) 10 Sec installed on 30 M tower 09-04.63N 078-21.9E.</p>																				
<p><b>853. Bay of Bengal - off Sandheads.</b> Charts 31 301 351 INT 71. RV Samudra Kaustubh progressing seismic survey in area bounded by 21-16.7N 088-14.7E, 21-16.8N 088-46.1E, 21-00.3N 088-46.2E, 21-00.4N 088-59.8E, 20-47.2N 089-00E, 20-47.2N 088-29.1E, 20-55.9N 088-29.1E, 20-56.1N 088-14.6E. Wide berth requested. 2. Cancel this MSG 231830 UTC Dec 17.</p>																				
<p><b>854. SE Bay of Bengal.</b> Charts 33 INT 71. MGS Sagar progressing survey from 29 Nov 17 in area bounded by 06-13.6N 090-25.4E, 08-06.5N 090-25.4E, 08-06.5N 092-01.9E, 05-00N 093-00E, 03-50.3N 092-09.1E, 04-35.8N 091-15.2E, 05-20.5N 090-45.7E. Wide berth requested. 2. Cancel this MSG 221830 UTC Dec 17.</p>																				
<p><b>855. Gulf of Mannar - off Puttalam Lagoon.</b> Charts 23 262 263 INT 71. Firing practice scheduled on 05 Dec 17 from</p>																				

<p><b>855. Continued.</b> 0130 to 1130 UTC in danger circle extending 10 NM from 08-10N 079-42E. 2. Cancel this MSG 051230 UTC Dec 17.</p>
<p><b>856. India East Coast - off Kakinada.</b> Charts 31 32 INT 71. Firing by Naval Ships scheduled on 06 and 07 Dec 17 from 0300 – 1000 UTC in danger area bounded by 15-30N 083-24E, 16-14N 084-00E, 15-08N 084-24E, 15-34N 084-46E. 2. Cancel this MSG 071100 UTC Dec 17.</p>
<p><b>857. India West Coast - off Mumbai to Okhamandal.</b> Charts 21 202 255 292 293 INT 71. SV Fugro Mapper progressing soil coring from 01 Dec 17 in vicinity of 22-37.3N 068-27.1E, 22-22.9N 068-28.4E, 19-31.2N 071-19.9E, 19-28.2N 071-14.6E, 19-34.8N 071-58.9E, 18-36.1N 071-01.6E, 20-19.1N 072-00.9E, 19-33.1N 071-40.1E, 18-35.4N 072-17.5E, 18-32.7N 072-14.2E, 19-08.7N 072-07.1E, 18-29.9N 072-15E, 18-45.7N 072-19.2E, 19-20.9N 071-18.2E. Wide berth requested. 2. Cancel this MSG 311830 UTC Dec 17.</p>
<p><b>858. India East Coast - Vishakhapatnam.</b> Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 06 Dec 17 from 0001 - 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E. 2. Cancel this MSG 060230 UTC Dec 17.</p>
<p><b>859. NAVAREA VIII warnings in force as on 30 Nov 17</b> <b>2016 SERIES</b> - 432 464 572 644 723 <b>2017 SERIES</b> - 016 119 305 323 345 366 381 394 414 455 485 486 493 511 514 529 543 576 635 662 685 697 703 710 713 719 723 748 751 762 775 778 780 784 793 796 805 806 814 816 821 827 829 834 836 837 838 839 844 846 847 848 849 851 852 853 854 855 856 857 858 (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet. (B) Text of NAVAREA VIII warnings in force including those which no longer broadcast available in <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a> 2. Cancel NAVAREA VIII MSG 843 and this MSG 081000 UTC Dec 17.</p>

6.1

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

NIL





**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2014**

*(Last correction: Edition No. 22 dated 16 Nov 2017)*

NIL

**INP 31(2), 2014**

*(Last correction: Edition No. 21 dated 01Nov 2017)*

**PAGE 82, TABLE 02**

*Insert entry below 29 Jun 2017*

0 hours	30 Nov 2017	+0.2 seconds	46/17
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*(Source: BA 46/17)*

*(23 /17)*

**INP 31(5), 2011**

*(Last correction: Edition No. 01 dated 01Jan 2017)*

NIL

**INP 31(6), 2012**

*(Last correction: Edition No. 14 dated 16Jul 2017)*

NIL

## **SECTION – IX**

### **REPORTING OF NAVIGATIONAL DANGERS**

#### **Appeal to all Mariners**

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office  
107-A, Rajpur Road,  
Dehradun - 248001  
(UTTARAKHAND), INDIA  
e-mail: - inho@navy.gov.in, msis-inho@navy.gov.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.gov.in

#### **Instructions for filling up IH 102**

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

#### **Position Reporting**

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/ Everest/Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. **Paper Charts.** A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. **ENCs.** A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

#### **Depth Reporting**

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

***Please Note:*** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.

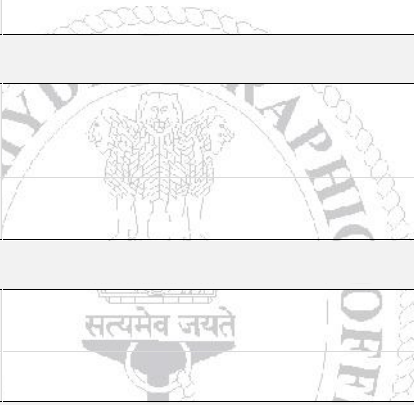
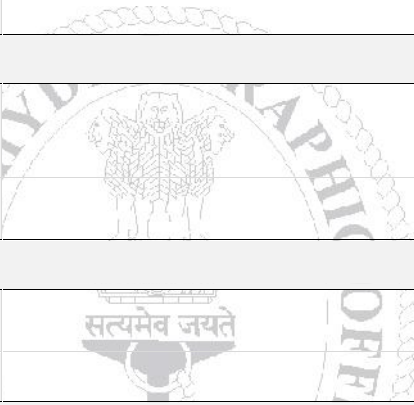


<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENCs and Publications and reporting of ENC related issues					
Date			Ref. Number		
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date			Time (UTC/IST)		
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas		<input type="checkbox"/> Others		
Geographical Position (See Instructions Overleaf)	Latitude			Longitude	
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
<b>1. NAME OF PORT</b>			
Location	Latitude		Longitude
<b>2. GENERAL REMARKS</b>			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
<b>3. ANCHORAGES</b>			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
<b>4. PILOTAGE</b>			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
<b>5. DIRECTIONS</b>			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
<b>6. POLLUTION CONTROL</b>			
Local regulation in force (If Any)			
<b>7. TUGS</b>			
Number available / Tug type			
Maximum HP / Bollard pull			

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	



<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
<b>17. PORT AUTHORITY</b>	
Designation, Address, Telephone, E-mail Address and Website	
<b>18. SECURITY</b>	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
<b>19. SMALL CRAFT FACILITIES</b>	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
<b>20. SHORT LEAVE</b>	
<b>21. CLUBS RECREATION</b>	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
<b>22. VIEWS</b>	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
<b>23. ADDITIONAL DETAILS</b>	
Any other information considered to be useful for the mariners	
<b>SIGNATURE OF THE OBSERVER / REPORTER / MASTER</b>	



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

**Email: [indsar@vsnl.net](mailto:indsar@vsnl.net)**

**NATION WIDE SAR TELE: 1554 (LAND LINE)**

**INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)**

**AFTN: VABBYXYC**